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Please find below and/or attached an Office communication concerning this application or proceeding.

The time period for reply, if any, is set in the attached communication.

		Appl	ication No.	Applicant(s)		
Office Action Summary		10/0	18,100	YUASA ET AL.		
		Exan	niner	Art Unit		
		Clem	ent B. Graham	3696		
Period fo	The MAILING DATE of this commur r Reply	nication appears o	n the cover sheet w	with the correspondence a	ddress	
A SHO WHIC - Exter after - If NO - Failur Any r	DRTENED STATUTORY PERIOD F HEVER IS LONGER, FROM THE N sions of time may be available under the provisions SIX (6) MONTHS from the mailing date of this comi period for reply is specified above, the maximum s e to reply within the set or extended period for reply sply received by the Office later than three months d patent term adjustment. See 37 CFR 1.704(b).	MAILING DATE O s of 37 CFR 1.136(a). In munication. tatutory period will apply of will, by statute, cause the	F THIS COMMUN no event, however, may a and will expire SIX (6) MO ne application to become a	IICATION. a reply be timely filed DNTHS from the mailing date of this ABANDONED (35 U.S.C. § 133).		
Status						
2a)⊠	Responsive to communication(s) file This action is FINAL . Since this application is in condition closed in accordance with the pract	2b)⊠ This actior for allowance ex	cept for formal ma	•	ne merits is	
Dispositi	on of Claims					
5)□ 6)⊠ 7)□ 8)□ Applicati	Claim(s) <u>1-38</u> is/are pending in the at the state of the above claim(s) is/at Claim(s) is/at claim(s) is/at allowed. Claim(s) <u>1-38</u> is/are rejected. Claim(s) is/are objected to. Claim(s) are subject to restrict on Papers	are withdrawn from				
10) 🗌 .	The specification is objected to by the The drawing(s) filed on is/are Applicant may not request that any objected to grant drawing sheet(s) including The oath or declaration is objected to the specification is objected to be specification in the specification is objected to be specification in the specification in the specification is objected to be specification in the specification in the specification is objected to the specification in the specification is ob	: a) ☐ accepted of accepted o	g(s) be held in abeya equired if the drawin	ance. See 37 CFR 1.85(a). g(s) is objected to. See 37 C	, ,	
Priority u	nder 35 U.S.C. § 119					
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 						
2) Notice (3) Inform	e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (Ination Disclosure Statement(s) (PTO/SB/08) 'No(s)/Mail Date	PTO-948)	Paper No	Summary (PTO-413) o(s)/Mail Date Informal Patent Application 		

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DETAILED ACTION

1. Claims 1-38 remained pending in this Application.

Claim Rejections - 35 USC § 103

- 2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.
- 3. Claims 1-5, 11-38, are rejected under 35 U.S.C. 103(a) as being unpatentable over Hasebe et al, (Hereinafter Hasebe U.S Patent: 6, 829, 592) in view of Tagawa et al, (Hereinafter Tagawa U.S Patent: 7, 315, 829) in view of Kennedy U.S Patent: 6, 134, 582.

As per claims 1-3, Hasebe discloses a system for managing lease of arbitrary information contents to be distributed from an information lease service provider to a user, the system comprising:

an information lease management apparatus for adding utilization condition ("i. e, charge") information concerning lease of copyrighted information contents to copyrighted information contents, and processing the information so as to be distributed to the user. (see column 1 lines 29-38 and column 4 lines 37-54) an information processing apparatus for receiving information copyrighted contents with utilization condition information distributed from the information lease management apparatus and communication means for connecting the information lease management apparatus and information processing apparatus and determining whether a lease period is expired(see column 1 lines 29-38 and column 4 lines 37-54).

Hasebe fail to explicitly teach wherein the information processing apparatus deletes the received copyrighted information contents in accordance with the utilization condition information.

However Twagawa discloses the second authentication unit has a control function and mediates between the secondary recording medium and the first authentication unit, performing a command/response operation therewith. The secondary recording medium is composed of a flash memory such as EEPROM (Electrically Erasable Programmable Read-Only Memory).(see column 6 lines 4-10).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe to include wherein the information processing apparatus deletes the received copyrighted information contents in accordance with the utilization condition information taught by Twagawa in order to prevent data usage of which is forbidden with out permission.

Further copyrighted information represent non functional descriptive material because the data is not functional.

Hasebe and Twagawa fail to explicitly teach when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired. However Kennedy discloses in the present invention, communications with a message server are facilitated by accessing a client-based database representing a central archive of message-related information. The present invention accesses archived information in the client-based database during typical message communications operations, such as message download and delete operations. The client-based database is also used to support efficient management of messages having multiple message parts, i.e., message re-assembly. The database of the present invention includes data fields corresponding to selected fields of a MIME-compatible message to support the assembly of message parts. (SEE COLUMN 5 LINES 36-48 AND COLUMN 3 LINES 47-54 AND COLUMN 4 LINES 1-20).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe and Twagawa to include when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired taught by Kennedy in order to manage messages and communication between client server and database stored.

As per claim 4, Hasebe discloses wherein a contract concerning lease of said copyrighted information contents is made between said information lease service provider and a user (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 5, Hasebe discloses characterized in that Internet, telephone lines, satellite communication line or lease communication lines are used as said communication means. (see column 1 lines 29-38 and column 4 lines 37-54).

As per claims 11-12, 19, 21-22, Hasebe discloses an apparatus for receiving information contents leased from a copyrighted information lease service provider to a user, said apparatus characterized by comprising:

transmission and reception means for receiving copyrighted information contents having added thereto utilization condition information concerning lease information to the user; data processing means for processing information contents received by the transmission and reception means (see column 1 lines 29-38 and column 4 lines 37-54) and a recording medium connectable to the data processing means in order to store information contents (see column 1 lines 29-38 and column 4 lines 37-54).

Hasebe fail to explicitly teach wherein the data processing means is provided so as to delete the copyrighted information contents in a recording medium in accordance with the utilization condition information.

However Twagawa discloses the second authentication unit has a control function and mediates between the secondary recording medium 128 and the first authentication unit, performing a command/response operation therewith. The secondary recording medium is composed of a flash memory such as EEPROM (Electrically Erasable Programmable Read-Only Memory). (see column 6 lines 4-10).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe to include wherein the data processing means is provided so as to delete the copyrighted information contents in a recording medium in accordance with the utilization condition information taught by Twagawa in order to prevent data usage of which is forbidden with out permission.

Further copyrighted information represent non functional descriptive material because the data is not functional.

Hasebe and Twagawa fail to explicitly teach when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired. However Kennedy discloses in the present invention, communications with a message server are facilitated by accessing a client-based database representing a central archive of message-related information. The present invention accesses archived information in the client-based database during typical message communications operations, such as message download and delete operations. The client-based database is also used to support efficient management of messages having multiple message parts, i.e., message re-assembly. The database of the present invention includes data fields corresponding to selected fields of a MIME-compatible message to support the assembly of message parts. (SEE COLUMN 5 LINES 36-48 AND COLUMN 3 LINES 47-54 AND COLUMN 4 LINES 1-20).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe and Twagawa to include when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired taught by Kennedy in order to manage messages and communication between client server and database stored.

As per claim 13, Hasebe discloses wherein said data erasure mechanism comprises: detection means for detecting the fact that the recording medium is removed from said data processing means, and control means for controlling disconnection of power supply to storage means based on removal detection information caused by said detection means (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 14, Hasebe discloses wherein when power supply to said recording medium is disconnected, there is provided a lock mechanism for fixing the recording means to said data processing means (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 15, Hasebe discloses further comprising display means for displaying index information concerning said copyrighted information contents (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 16, Hasebe discloses wherein at least a menu screen describing a title of said copyrighted information contents is displayed on said display means (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 17, Hasebe discloses wherein arbitrary copyrighted information contents selected from said menu screen are distributed to said recording medium (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 18, Hasebe discloses further comprising operation means operated so as to input setting information concerning lease of said copyrighted information contents (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 20, Hasebe wherein said utilization condition information contains a control program for selecting whether or not a lease period of said copyrighted information contents is extended (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 23, Hasebe discloses a method of managing lease of copyrighted information contents distributed from information lease service provider to a user by using communication means, said method comprising the steps of:

making a contract concerning lease of copyright information contents in advance between the information lease service provider and the user (see column 1 lines 29-38 and column 4 lines 37-54) adding utilization condition("i. e, charge") information to copyrighted information contents to be distributed to the user based on the contract and receiving copyright information contents having utilization condition information added thereto on the other hand (see column 1 lines 29-38 and column 4 lines 37-54) and storing the received copyrighted information contents in a recording medium (see column 1 lines 29-38 and column 4 lines 37-54).

Hasebe fail to explicitly teach automatically erasable time limit storage function; and deleting the copyrighted information contents stored in the recording medium in accordance with the utilization condition information.

However Twagawa discloses the second authentication unit has a control function and mediates between the secondary recording medium and the first authentication unit, performing a command/response operation therewith. The secondary recording medium is composed of a flash memory such as EEPROM (Electrically Erasable Programmable Read-Only Memory) (see column 6 lines 4-10).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe to include automatically erasable time limit storage function; and deleting the copyrighted information contents stored in the recording

medium in accordance with the utilization condition information taught by Twagawa in order to prevent data usage of which is forbidden with out permission.

Further copyrighted information represent non functional descriptive material because the data is not functional.

Hasebe and Twagawa fail to explicitly teach checking the utilization condition information of the received copyrighted information contents as to whether a lease period is expired when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired.

However Kennedy discloses in the present invention, communications with a message server are facilitated by accessing a client-based database representing a central archive of message-related information. The present invention accesses archived information in the client-based database during typical message communications operations, such as message download and delete operations. The client-based database is also used to support efficient management of messages having multiple message parts, i.e., message re-assembly. The database of the present invention includes data fields corresponding to selected fields of a MIME-compatible message to support the assembly of message parts. (SEE COLUMN 5 LINES 36-48 AND COLUMN 3 LINES 47-54 AND COLUMN 4 LINES 1-20).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe and Twagawa to include checking the utilization condition information of the received copyrighted information contents as to whether a lease period is expired when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired taught by Kennedy in order to manage messages and communication between client server and database stored.

As per claim 24, Hasebe discloses an information lease management method as claimed in claim 23, characterized in that Internet or communication lines such as telephone line or satellite communication lines are used (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 25, Hasebe discloses wherein, when said recording medium is attached to a data processing unit, and said storage medium is removed from said data processing unit, the copyrighted information contents contained in said recording medium (see column 1 lines 29-38 and column 4 lines 37-54).

Hasebe fail to explicitly teach deleted.

However Twagawa discloses the second authentication unit has a control function and mediates between the secondary recording medium and the first authentication unit, performing a command/response operation therewith. The secondary recording medium is composed of a flash memory such as EEPROM (Electrically Erasable Programmable Read-Only Memory).(see column 6 lines 4-10).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe to include deleted taught by Twagawa in order to prevent data usage of which is forbidden with out permission

Further copyrighted information represent non functional descriptive material because the data is not functional.

As per claim 26, Hasebe discloses further comprising the step of presenting a user with index information concerning a plurality of copyrighted information contents to be leased to said user. (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 27, Hasebe discloses an information lease management method as claimed in claim 26, further comprising the step of displaying at least a menu screen describing a title of said copyrighted information contents (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 28, Hasebe discloses further comprising the step of distributing arbitrary copyrighted information contents selected from said menu screen (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 29, Hasebe discloses further comprising the step of arbitrarily inputting a lease period of said copyrighted information contents with respect to a lease contract of said copyrighted information contents (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 30, Hasebe disclosesfurther comprising the step of setting an upper limit of an amount of money for utilization charge of said copyrighted information contents with respect to a lease contract of said copyrighted information contents (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 31, Hasebe discloses further comprising the steps of: when an upper limit of an amount of money is set with respect to a lease of said copyrighted information contents, obtaining a cumulative utilization charge in which at least lease charges of

said copyrighted information contents are cumulated (see column 1 lines 29-38 and column 4 lines 37-54).

Hasebe fail to explicitly teach comparing said upper limit of an amount of money with said cumulative utilization charge and when said cumulative utilization charge exceeds said upper limit of an amount of money, presenting lease rejection of said copyrighted information contents or a change of said upper limit of an amount of money.

However Twagawa discloses the second authentication unit has a control function and mediates between the secondary recording medium and the first authentication unit, performing a command/response operation therewith. The secondary recording medium is composed of a flash memory such as EEPROM (Electrically Erasable Programmable Read-Only Memory).(see column 6 lines 4-10).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe to include comparing said upper limit of an amount of money with said cumulative utilization charge; and when said cumulative utilization charge exceeds said upper limit of an amount of money, presenting lease rejection of said copyrighted information contents or a change of said upper limit of an amount of money taught by Twagawa in order to prevent data usage of which is forbidden with out permission.

Further copyrighted information represent non functional descriptive material because the data is not functional.

As per claim 32, Hasebe discloses an information lease management method as claimed in claim wherein, when age limitation is set with respect to lease of said copyrighted information contents, a predetermined user registered password number is input (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 33, Hasebe discloses selecting whether or not the lease period of said copyrighted information contents is extended when a lease period of said copyrighted information contents has expired (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 34, Hasebe discloses an information lease management method as, further comprising the step of integrally managing at least a title of said copyright tin formation

contents, lease charge and lease period, and a list of said users (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 35-36, Hasebe discloses computer readable medium storing a computer program for recording copyrighted information contents embedded with utilization condition information leased from a copyright information lease service provider to a user a computer, comprising the steps of: (see column 1 lines 29-38 and column 4 lines 37-54).

Hasebe fail to explicitly teach deleting when a predetermined lease period has expired, copyrighted information contents stored in the recording medium in accordance with utilization condition information.

However Twagawa discloses the second authentication unit 127 has a control function and mediates between the secondary recording medium 128 and the first authentication unit, performing a command/response operation therewith. The secondary recording medium is composed of a flash memory such as EEPROM (Electrically Erasable Programmable Read-Only Memory).(see column 6 lines 4-10).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe to include when a predetermined lease period has expired, copyrighted information contents stored in the recording medium in accordance with utilization condition information taught by Twagawa in order to prevent data usage of which is forbidden with out permission.

Further copyrighted information represent non functional descriptive material because the data is not functional.

Hasebe and Twagawa fail to explicitly teach checking the utilization condition information of the received copyrighted information contents as to whether a lease period is expired when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired.

However Kennedy discloses in the present invention, communications with a message server are facilitated by accessing a client-based database representing a central archive of message-related information. The present invention accesses archived information in the client-based database during typical message communications operations, such as message download and delete operations. The client-based database is also used to support efficient management of messages

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having multiple message parts, i.e., message re-assembly. The database of the present invention includes data fields corresponding to selected fields of a MIME-compatible message to support the assembly of message parts. (SEE COLUMN 5 LINES 36-48 AND COLUMN 3 LINES 47-54 AND COLUMN 4 LINES 1-20).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe and Twagawa to include checking the utilization condition information of the received copyrighted information contents as to whether a lease period is expired when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired taught by Kennedy in order to manage messages and communication between client server and database stored.

As per claim 37, Hasebe discloses wherein said data erasure mechanism comprises: detection means for detecting the fact that the recording medium is removed from said data processing means; and control means for controlling disconnection of power supply to storage means based on removal detection information caused by said detection means. (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 38, Hasebe discloses wherein power supply to the recording medium is disconnected, there is provided a lock mechanism for fixing the recording medium to said data processing means (see column 1 lines 29-38 and column 4 lines 37-54).

4. Claims 6-9, are rejected under 35 U.S.C. 103(a) as being unpatentable over Hasebe et al, (Hereinafter Hasebe U.S Patent: 6, 829, 592) in view of Kennedy U.S Patent: 6, 134, 582.

As per claim 6, Hasebe discloses a copyright management apparatus for managing lease of copyrighted information contents distributed from copyrighted information lease service provider to a user, the apparatus comprising:

data processing means for adding utilization condition ("i. e, charging") information concerning lease information of copyrighted information contents to a user (see column 1 lines 29-38 and column 4 lines 37-54) and transmission and reception means for distributing to a user the information contents having the utilization condition ("i. e, charge") information added thereto by the data processing means or receiving response information from the user (see column 1 lines 29-38 and column 4 lines 37-54).

Hasebe and Twagawa fail to explicitly teach when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired.

However Kennedy discloses in the present invention, communications with a message server are facilitated by accessing a client-based database representing a central archive of message-related information. The present invention accesses archived information in the client-based database during typical message communications operations, such as message download and delete operations. The client-based database is also used to support efficient management of messages having multiple message parts, i.e., message re-assembly. The database of the present invention includes data fields corresponding to selected fields of a MIME-compatible message to support the assembly of message parts. (SEE COLUMN 5 LINES 36-48 AND COLUMN 3 LINES 47-54 AND COLUMN 4 LINES 1-20).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe and Twagawa to include when a lease period is expired and allows continued utilization of copyrighted information contents when a lease period is not expired taught by Kennedy in order to manage messages and communication between client server and database stored.

As per claim 7, Hasebe discloses further comprising a database storing the copyrighted information contents to be leased to said user (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 8, Hasebe discloses wherein at least menu screen information describing a title of copyrighted information contents stored in said database is provided to user (see column 1 lines 29-38 and column 4 lines 37-54).

As per claim 9, Hasebe discloses wherein at least a title of said copyrighted information contents, lease charge and lease period, and a list of said users are integrally managed (see column 1 lines 29-38 and column 4 lines 37-54).

5. Claim 10, are rejected under 35 U.S.C. 103(a) as being unpatentable over Hasebe et al, (Hereinafter Hasebe U.S Patent: 6, 829, 592) in view of Tagawa et al, (Hereinafter Tagawa U.S Patent: 7, 315, 829).

As per claim 10, Hasebe discloses wherein when an upper limit of an amount of money predetermined in accordance with a contract is provided, said data processing means obtains a

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cumulative utilization charge in which lease charges of said copyrighted information contents are cumulated (see column 1 lines 29-38 and column 4 lines 37-54).

Hasebe fail to explicitly teach compares said upper limit of an amount of money and said cumulative utilization charge with each other; and present lease rejection of said copyrighted information contents or a change of said upper limit of an amount of money when said cumulative utilization charge exceeds said upper limit of amount of money.

However Twagawa discloses the second authentication unit has a control function and mediates between the secondary recording medium and the first authentication unit, performing a command/response operation therewith. The secondary recording medium is composed of a flash memory such as EEPROM (Electrically Erasable Programmable Read-Only Memory) (see column 6 lines 4-10).

Therefore it would have been obvious to one of ordinary skill in the art at the time the invention was made to modify the teachings of Hasebe to include compares said upper limit of an amount of money and said cumulative utilization charge with each other; and present lease rejection of said copyrighted information contents or a change of said upper limit of an amount of money when said cumulative utilization charge exceeds said upper limit of amount of money taught by Twagawa in order to prevent data usage of which is forbidden with out permission.

Further copyrighted information represent non functional descriptive material because the data is not functional.

Conclusion

RESPONSE TO ARGUMENTS

- 6. Applicant's arguments filed 2/13/09 has been fully considered but they are not persuasive for the following reasons.
- 7. In response to Applicant's arguments that Hasebe and Twagawa fail to teach or suggest "an information lease management apparatus for adding utilization condition information concerning lease of copyrighted information contents to copyrighted information contents, and processing the information so as to be distributed to the user an information processing apparatus for receiving information copyrighted contents with utilization condition information distributed from the information lease management apparatus and communication means for connecting the information lease management apparatus and information processing apparatus wherein the

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information processing apparatus deletes the received copyrighted information contents in accordance with the utilization condition information" the examiner disagrees with Applicant's because these claimed limitations were addressed as stated.

Hasebe an information lease management apparatus for adding utilization condition ("i. e, charge") information concerning lease of copyrighted information contents to copyrighted information contents, and processing the information so as to be distributed to the user. (see column 1 lines 29-38 and column 4 lines 37-54) an information processing apparatus for receiving information copyrighted contents with utilization condition information distributed from the information lease management apparatus and communication means for connecting the information lease management apparatus and information processing apparatus (see column 1 lines 29-38 and column 4 lines 37-54).

Twagawa discloses the second authentication unit has a control function and mediates between the secondary recording medium and the first authentication unit, performing a command/response operation therewith. The secondary recording medium is composed of a flash memory such as EEPROM (Electrically Erasable Programmable Read-Only Memory) (see column 6 lines 4-10).

However Kennedy discloses in the present invention, communications with a message server are facilitated by accessing a client-based database representing a central archive of message-related information. The present invention accesses archived information in the client-based database during typical message communications operations, such as message download and delete operations. The client-based database is also used to support efficient management of messages having multiple message parts, i.e., message re-assembly. The database of the present invention includes data fields corresponding to selected fields of a MIME-compatible message to support the assembly of message parts. (SEE COLUMN 5 LINES 36-48 AND COLUMN 3 LINES 47-54 AND COLUMN 4 LINES 1-20).

Therefore it is obviously clear that Applicant's claimed limitations were addressed within the teachings of Hasebe, Twagawa and Kennedy.

Further copyrighted information represent non functional descriptive material because the data is not functional.

8. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Clement B. Graham whose telephone number is 571-272-6795. The examiner can normally be reached on 7am to 5pm.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Thomas Dixon can be reached on (571) 272-6803. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/Frantzy Poinvil/ Primary Examiner, Art Unit 3696

CG

June 4, 2009